



POSTED SPEED MPH	RIGID SYSTEM	UNRESTRAINED RIGID SYSTEM	SEMI-RIGID SYSTEM
70	20:1	18:1	15:1
60	18:1	16:1	14:1
55	16:1	14:1	12:1
50	14:1	12:1	11:1
45	12:1	11:1	10:1
40	11:1	10:1	9:1
OR BELOW			

LONGITUDINAL BARRIER FLARE RATES

NOTES

- EXISTING CONFLICTING PAVEMENT MARKINGS NO LONGER APPLICABLE SHALL BE REMOVED OR OBLITERATED.
- TEMPORARY MARKINGS SHALL BE USED AS NECESSARY.
- EXPOSED ENDS OF CONCRETE BARRIERS SHALL BE MAINTAINED OUTSIDE THE CLEAR ZONE AND ADEQUATELY FLARED OR FITTED WITH IMPACT ATTENUATORS.
- STEADY BURNING WARNING LIGHTS (TYPE C, MUTCD) SHALL BE USED TO MARK CHANNELIZING DEVICES AT NIGHT AS NEEDED.
- ROADSIDE BARRIERS AND END TREATMENT SHALL BE CRASHWORTHY.
- INSTALL PORTABLE CHANGEABLE MESSAGE SIGN (WHEN SPECIFIED) APPROXIMATELY 1 MILE IN ADVANCE OF LANE CLOSURE.

BUFFER DATA									
BUFFER SPACE = B									
SPEED (MPH)	25	30	35	40	45	50	55	60	65
LENGTH (feet)	55	85	120	170	220	280	335	415	485

LANE WIDTH (feet)	Posted Speed (mph)								
	25	30	35	40	45	50	55	60	65
10	105	150	205	270	450	500	550	-	-
11	115	165	225	295	495	550	605	660	-
12	125	180	245	320	540	600	660	720	780

CHANNELIZING DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
50/65	40	80
35/45	30	60
25/30	20	40

PORTABLE CHANGEABLE MESSAGE SIGN DISPLAYS

PCMS	
1	2
RIGHT LANE CLOSED	ONE MILE AHEAD
1.5 SEC	1.5 SEC



INSTALL THESE SIGNS ONLY IF IT CAN BE DONE SAFELY ON BARRIER OR IN A WIDE MEDIAN.

LEGEND

- SIGN LOCATION-POST MOUNTED
- TEMPORARY TRAFFIC CONTROL DEVICE
- TRAFFIC SAFETY DRUMS
- OBLITERATED MARKINGS (see notes 1&2)
- TEMPORARY CONCRETE BARRIER W/REFLECTORS
- SEQUENTIAL ARROW SIGN
- TEMPORARY IMPACT ATTENUATORS (WHEN SPECIFIED IN CONTRACT).
- PORTABLE CHANGEABLE MESSAGE SIGN (WHEN SPECIFIED IN CONTRACT)

NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT BUT AN ELECTRONIC DUPLICATE. THE ORIGINAL, SIGNED BY THE ENGINEER AND APPROVED FOR PUBLICATION, IS KEPT ON FILE AT THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION. A COPY MAY BE OBTAINED UPON REQUEST.

SIGN SPACING = X (FEET)		
Rural Roads	45/65 MPH	500'+-
Urban Arterials & Rural Roads	35/40 MPH	350'+-
Rural Roads	25/30 MPH	200'+-
Urban Streets		
Residential Areas & Business Districts		

All signs are black on orange unless otherwise designated.



EXPIRES NOVEMBER 23, 2003

**LANE CLOSURE WITH TEMPORARY CONCRETE BARRIER**  
**STANDARD PLAN K-7**

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

**Harold J. Peterfeso** 12-20-02  
 STATE DESIGN ENGINEER DATE

